# Tools for Everyday Living: Technology for the Deaf and Hard of Hearing



## AT for the Deaf and Hard of Hearing DemoStation Product Guide

### Prepared by:

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# Tools for Everyday Living: Assistive Technology for the Deaf and Hard of Hearing

The Assistive Technology (AT) for the Deaf and Hard of Hearing DemoStation is a functional exhibit of devices intended to assist persons with certain disabilities in their Instrumental Activities of Daily Living (IADLs).

Beyond the basic Activities of Daily Living (ADLs), which include people's most fundamental needs, nourishment, self-care, etc., IADLs include the tasks that people perform as a part of life in the home, in the community, in employment, in education and in other settings. IADLs include, among other things, the ability to answer the door, keep appointments, determine the time of day, awaken at a certain time, communicate via telephone, and respond to life safety threats such as fire or a need to seek help.

The devices assembled in the AT for the Deaf and Hard of Hearing DemoStation include everyday gadgets with special adaptations to assist individuals who may have difficulty using, receiving, or understanding conventional signaling devices such as telephones, doorbells, smoke detectors, etc. The devices in the exhibit are fully functional, including the telephones, so one can see, hear, and/or feel first-hand if a particular item meets specific needs. This guide lists the equipment included with the DemoStation, along with descriptions, photographs, and approximate pricing.

There are several AT for the Deaf and Hard of Hearing DemoStations in Vermont. For information about scheduling demonstrations, planned workshops, or equipment try-outs, call the nearest location referenced on the Contact Information page, the last page of this booklet.



The Vermont Assistive Technology Program, housed in the VT Agency of Human Services, has made these AT DemoStations available to help fulfill its multi-part mission of outreach, demonstration, technical assistance and training. We thank the Vermont Center for the Deaf and Hard of Hearing for their participation in this project.

- The Vermont Assistive Technology Program

NOTE: The AT for the Deaf and Hard of Hearing DemoStation is not an all-inclusive display of products that address particular disabilities, nor does it represent an endorsement by the Vermont AT Program of any particular product. Catalogs and vendor information may be available at workshops and demonstrations that include some or all of the devices shown; this does not represent an endorsement by the Vermont AT Program of a particular manufacturer or supplier. Additional products and information are available from numerous vendors.



Device Description		Approx. Cost
Williams Sound Induction Neckloop Features:  ◆ Magnetically couples standard audio outputs into "T- switch" or telecoil-equipped hearing aids  ◆ Works with recorders, televisions, etc. with 6-8 ohm audio output and a 3.5mm jack  ◆ Available in child and adult sizes		\$60.00
Williams Sound Hearing Helper PFM300/350 Personal FM System Helps listeners overcome background noise, reverberation and distance from a speaker in classrooms and small groups, maximizing one's ability to hear and understand. Can be used in the for meetings, conferences, TV listening, tour groups, worker training, coaching, etc. Features:  • Compact, portable FM transmitter and receiver • Transmitter and receiver each operate up to 100 hours on 2 AA batteries • Environmental microphone for amplifying user's voice or nearby speakers • Includes lapel clip microphone • Soft nylon system carry case • Two belt clip cases • Earbud earphone included • Neckloop compatible		\$575 to \$650.00 Several options available
ELT Group AudioLink II Infrared TV Listening System Wireless infrared personal listening system for listening to mono or stereo sources. Features:  • Compatible with 95 kHz infrared systems used in theaters, cinemas, and other public buildings.  • Includes microphone for TV or other sound source • Industry standard audio cables  • Receiver has balance control and separate tone controls for each ear  • Low carrier audio mute  • 115dB SPL, low distortion  • Hypoallergenic silicone ear pads  • Unbreakable polypropylene arms  • Drop-in and side charging slots  • Includes two (2) rechargeable battery packs  • Batteries recharge on transmitter cradle		\$180.00  With mic and audio cables

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Device Description		Approx. Cost
Williams Sound Pocketalker Pro Personal amplifier for one-on-one conversation, TV listening, etc. For people who don't have a hearing aid, but need some hearing assistance, or those whose hearing aid isn't effective in some situations. Especially effective for in-car conversations and noisy public meeting places such as restaurants. Features:  • Compact • Lightweight • Delivers distinct, high-quality sound • Selectable frequency response • 100 hours operating time on 2 AA batteries • Large, easy to operate volume control • Plug mount microphone • 12-foot mic extension cord for TV listening • Attractive carrying case • Choice of headset options		\$180.00
Williams Sound TeleLink  Telephone adapter for use with Pocketalker Pro. Features:  ◆ Connects between telephone base and handset  ◆ Adapter plugs into Pocketalker Pro's microphone jack  ◆ Pocketalker Pro amplifies incoming voice signal  ◆ User speaks through telephone handset  ◆ Gives full amplifying power of the Pocketalker Pro or other amplifier  ◆ Neckloop compatible		\$90.00

### SILENT CALL VIBRATING ALERT SYSTEM

The Silent Call system utilizes various radio frequency transmitters and receivers to alert hard of hearing, deaf or blind individuals to daily activities around the home. Transmitters are available for such functions as telephones, doorbells, smoke detectors, baby crying, sounds, door or window access, personal pagers, or carbon monoxide detectors. Receiver options include a personal pager-style vibrating receiver, flashing strobe light, or bed vibrator. Multiple transmitters and receivers can be used. The range of the signal is up to 100' indoors or out.

### Silent Call Good Vibrations Receiver

Small battery operated unit designed to be worn close to the body. When it receives a signal from a Silent Call transmitter, it alerts the wearer by vibrating. Colored LEDs on top of the pager indicate which type of transmitter sent the signal. Uses 9V rechargeable battery (included). Requires either the Sleep Alert Charger (see below) or other AC charger (sold separately).



\$120.00

### Silent Call Sidekick Receiver w/Strobe

AC powered tabletop receiver with strobe light that responds to the same alerting functions as the Good Vibrations Receiver. When a signal is received from a Silent Call transmitter, the strobe light flashes for 20 seconds and a colored LED on the receiver front panel illuminates to show what type of alert was received.



\$185.00

## **Silent Call Smoke Detector & Transmitter**

Battery powered smoke detector and transmitter mounts anywhere. Extra loud horn and test button, as required with conventional smoke detectors.

#### Features:

- ◆ Detects smoke within a radius of 100'
- ◆ Sends a wireless signal to Silent Call receivers up to 100 feet away
- ◆ Easy installation: No wiring necessary
- System allows as many smoke detectors and receivers as desired
- ◆ Completely portable
- ◆ Transmitter uses 9-volt battery
- Available bundled with receiver and different signaling devices



Smoke Detector & Transmitter \$110.00

With Receiver & Vibrator \$265.00

With Receiver & Strobe Light \$285.00

### Silent Call Doorbell Transmitter w/Button

Hardwired doorbell button triggers transmitter to send a signal to any Silent Call receiver. Available without button for connection to existing doorbell wiring. Button on transmitter unit for testing or alerting.



\$65.00

## Silent Call Sleep Alert Charger

Used to charge the Silent Call Good Vibrations receiver. Includes a jack for connecting Silent Call bed shaker (sold separately) for nighttime alerting.



\$117.00

## Silent Call Telephone Transmitter

Device plugs into any phone jack and sends telephone ring signal to Silent Call Receivers when the phone rings. Button on transmitter unit for testing or alerting.



\$65.00

## **Silent Call Pager Transmitter**

Pressing button on this battery powered transmitter unit sends pager signal to Silent Call receivers in range. For those instances where the user of the receiver needs to be called to respond to someone else. Useful at home or in the workplace. Unobstructed range is approximately 100 feet.



Handheld (shown) \$65.00

Pendant Style \$65.00

### **SONIC ALERT SYSTEM**

The Sonic Alert system utilizes ordinary household electrical wiring to provide communication among transmitters and receivers to alert hard of hearing, deaf or blind individuals to daily activities around the home. Transmitters are available for such functions as clock alarms, telephone ringers, doorbells, smoke detectors, baby crying or other sounds, or personal pagers. Receiver options include flashing strobe lights, bed vibrators, and lamp flashers. Receiver modules perform dual functions as receiver and general purpose lamp switch. Multiple receivers and transmitters of different types can be used. Signals are generally limited to the local residence's electrical system.

## Sonic Alert Sonic Link Deluxe Remote Receiver

Receiver plugs into ordinary electrical outlet. Lamp plugs into receiver's piggyback plug. Control can placed conveniently near lamp, allowing it to be used as a light switch as well as a Sonic Alert receiver.



\$50.00

## **Sonic Alert Doorbell Signaler**

Works with other Sonic Alert remote signaling systems and components.

#### Features:

- Can be used in homes with or without an existing doorbell
- ◆ Transmitter plugs into any AC outlet
- ◆ Transmits to Sonic Alert remote receivers
- ◆ Built-in outlet flashes lamp or other device
- ♦ Hardwired doorbell button included (shown)
- Also available with wireless doorbell button



Wired Button (shown) \$60.00

Wireless Button \$100

## Sonic Alert Sonic Ring Elite Telephone Signaler

- ◆ Plugs into electrical outlet and telephone jack
- Lamp plugged into signaler will flash when telephone rings
- ◆ Supports distinctive ring services
- ◆ Control sits on table or desk next to lamp
- Outlet permits control switch button to turn a lamp on or off, allowing the lamp to be used as a room light as well as a signaler
- ♦ One signaler necessary per incoming phone line
- ◆ Compatible with "distinctive ring" services



\$48.00

## Sonic Alert Sonic Boom Alarm Clock w/Vibrating Alert

### Features:

- White color and color-coded buttons make clock options easier to see and understand
- ◆ Wake up to any combination of loud pulsating audio alarm, flashing lamp, or shaking bed (with separately available bed shaker module)
- ◆ Adjustable volume and tone controls to set most effective audio alert
- Outlet for bedside lamp creates a flashing alert
- ◆ Large button on front controls lamp on/off
- ◆ Large, bright green LED display automatically dims as the room gets darker
- ◆ Clock can be used as a transmitter and receiver for other Sonic Alert components to alert the user to a variety of other events

### Sonic Alert Pillow Vibrator

### Features:

- ◆ Plugs directly into Sonic Boom Clock or other properly equipped Sonic Alert receivers
- ♦ Vibrates when alarm sounds
- ◆ Place under pillow or inside pillowcase



Clock \$55.00

Pillow Vibrator \$33.00

Device Description/Photo		Approx. Cost
<ul> <li>Ameriphone Wake Assure Alarm Clock</li> <li>Features: <ul> <li>Bright 2" tall red numeric display</li> <li>Extra loud buzzer with adjustable volume and tone controls</li> <li>Strong bed shaker/pillow vibrator included</li> <li>Flashes any connected lamp at alarm time</li> <li>Snooze button doubles as lamp switch</li> <li>Security timer turns on connected lamp at pre-set random times while you're away</li> <li>Auto snooze</li> <li>Large control buttons conveniently located for easy access</li> <li>Battery back-up keeps time during power outages</li> </ul> </li> </ul>	9:22	Clock Only \$70.00 Shaker \$39.00
HARC Shake Awake Vibrating Travel Alarm Clock Features:  ◆ Compact size (3" x 2.5" x 1.5")  ◆ Battery operated – ideal for travel  ◆ Entire clock vibrates when alarm goes off  ◆ Wake up to pulsating vibration or audible alarm  ◆ Place entire unit under your pillow - clip secures it to the pillowcase  ◆ Snooze button	TIPH I	\$25.00
<ul> <li>Easy to read LCD display lights up at the push of a button</li> <li>Uses 3 AA batteries (not included)</li> <li>One year limited warranty</li> </ul> VibraLITE3 Vibrating Alarm Watch Features: <ul> <li>Large, easy to read LCD display</li> <li>Bright blue electroluminescent backlight</li> <li>Auto-On backlight illuminates with twist of the wrist</li> <li>12/24 hour time display</li> <li>Dual time zone for travelers</li> <li>Hourly chime/alert option</li> <li>Interval/countdown timer with auto reset</li> <li>Two alarm settings</li> <li>Vibration and/or chime alarm</li> <li>Day/Date Calendar display</li> </ul>	What I was a series of the ser	\$50 - \$70 depending upon style

Device Description/Photo		Approx. Cost
Features:  • Dual alarm system audible/visual • Very loud 90 dB horn • Bright Xenon strobe flasher (177+ candela) • ADA compliant • Photoelectric detection senses fire early • Portable, plugs into standard 120V outlet • Meets all state codes and requirements of NFPA-72G • Battery backup for audible horn only (some models) • Hardwired versions available for permanent installation	L-RH	\$160.00
<ul> <li>Trine Wireless Strobe and Door Chime</li> <li>Features: <ul> <li>Wireless - plugs into any 120V outlet</li> <li>Suitable for use in noisy environments such as office or factory, as well as at home</li> <li>Wireless one-button transmitter can be mounted anywhere</li> <li>Up to three-door operation with installation of additional buttons, available separately</li> <li>Buttons available for different chime patterns</li> <li>Additional buttons or receivers can be added</li> </ul> </li> </ul>		Receiver \$65.00 Each add' button \$15.00 Add'I receiver \$65.00 ea.
Door Beacon Door Knock Signaler  Portable flasher responds to knock on door  Features:  Senses door knock vibration Bright flashing light responds for several seconds Sensitivity switch ensures optimum results Use at home or away 9 volt battery (not included) Permanently install with a screw, attach to door with Velcro® or use hanging bracket included		\$30.00

Device Description/Photo		Approx. Cost
Ameriphone Clarity SR100/200 Super Phone Ringer  Features:  • Generates ring volume up to 95dB+  • Adjustable tone and volume controls  • Four selectable ring patterns  • Bright red visual ring flasher lamp (SR100) or  • Very bright strobe light flasher (SR200)  • Dual modular phone jack  • AC adapter included  • Battery backup		SR200 \$49.00 SR100 \$36.00
Wheelock PS Series Telephone Strobe  Strobe light flashes while phone is ringing. Useful for Deaf, Hard of Hearing, in high noise areas, or in quiet zones.  Features:  Intended for single-line phones  Wall mount or place on a flat surface  White strobe with black letters, beige case  Phone line powered model plugs into ordinary RJ11 phone jack and requires no other power  AC Assisted model plugs into AC outlet, includes 9X more powerful strobe lamp  Compatible with digital and PBX phone systems systems with multiple extensions or other devices (fax, security system, etc.)	Phone Line Powered Model PS-15A-WPW	Phone Line Powered \$60.00 AC Assisted \$80.00

Device Description/Photo		Approx. Cost
Ameriphone Dialogue CL-40 Cordless Amplified Telephone  Cordless phone designed for persons with mild to severe hearing loss.  Features:  • Amplifies incoming sounds up to 100 times (+40dB)  • Adjustable tone control  • Audio jack for connection to a headset or cochlear implant.  • 900 MHz technology for extended operating range and static-free transmissions  • Automatically channel selection  • Advanced noise reduction technology filters out background noise and static  • Three hour talk time between battery charges.  • Base-to-handset paging  • Large buttons  • Lighted keypad  • Programmable 10 speed-dial memory  • T-coil compatible handset  • Digital security system  • Extra loud ringer.  • Desk or wall mounting  • Flash, Redial and programming buttons		\$150.00
ClearSounds 40XLC Freedom Phone  Features:      Headset amplification up to 50dB     Speakerphone w/amplification up to 15 dB     Outgoing speech amplification up to 12 dB     Caller ID with large adjustable LCD screen     Caller ID memory for up to 99 incoming names/numbers     Large 1-inch buttons     11 memory-dial buttons     Loud 95 dB audible ringer     Strobe light ringer     Connection for optional bedshaker     2.5 mm headset jack     3.5 mm audio jack for neckloop or other ALD     Hearing aid compatible	40XLC w/optional bedshaker	40XLC \$150.00 Bedshake \$30

Device Description/Photo		Approx. Cost
Ameriphone Amplified Telephones		XL30 \$120.00
Features:  ◆ Separate volume and tone controls  ◆ Manual or Automatic On/Off  ◆ Large buttons  ◆ Audio output jack for neck loop or cochlear implant		XL40 \$140.00 XL50 \$160.00
connection  Hearing aid compatible  12 memory buttons for one touch dialing Flash, hold and redial buttons Adjustable ringer volume and tone Visual ring indicator Wall mount or desktop Battery backup XL-30 (shown) amplifies up to 30 dB for those with mild		
<ul> <li>★ XL-30 (Shown) amplifies up to 30 dB for those with find to moderate hearing loss. Does not require AC power</li> <li>★ XL-40 amplifies up to 100 times (40+ dB)         <ul> <li>Lighted keypad</li> <li>Voice mail indicator (requires service from local phone company)</li> <li>"Missed Call" and "Extension in Use" indicators</li> </ul> </li> <li>★ XL-50 Same features as the XL-40, plus         <ul> <li>Amplifies up to 200 times (48+ dB)</li> <li>For people with severe hearing loss</li> </ul> </li> </ul>	XL-30	

### Walker Clarity In-Line Telephone Amplifier

Easy to install - connects between handset and the base of the phone

#### Features:

- ♦ Helps high frequency hearing loss by making words clearer not just louder
- ◆ Amplifies incoming calls more than 3 times normal level
- ♦ Fingertip control
- ◆ Built in Clarity sound equalizer that selectively increases the volume of high frequency sounds
- ◆ Compatible with standard and electronic phones
- ◆ Portable... carry it with you anywhere
- ◆ Low battery indicator light
- ♦ Uses (2) AAA batteries (not included)



\$30.00

## **Ameriphone Strap-On Telephone Amplifier**

#### Features:

- ◆ For mild to moderate hearing loss
- Works on ALL phones (phone does not have to be hearing aid compatible)
- ◆ Suction seal, perfect for travel
- ♦ Increases phone volume up to 25dB
- ♦ Enhances clarity for loud, clear sound
- ◆ Indicator light shows when amplifier is ON
- ♦ Extra strap and carrying case included
- ◆ Battery operated (two AAA included)



\$24.00

## Ameriphone Dialogue Q90D Advanced Mobile TTY

Mobile TTY with digital cellular phone compatibility and VCO capability.

#### Features:

- ♦ Works with the new TTY-compatible cellular telephones
- ◆ Compatible with many cordless telephones that have a 2.5mm headset jack
- ♦ Pre-programmed phrases
- ◆ Large, high contrast, two line display with backlighting
- ◆ Audible ringer and bright visual ring flasher
- ◆ "Sticky" keys for one hand operation
- ◆ Redial, Hold, Printer and Flash functions
- ♦ 32K conversation and incoming message memory
- ◆ Text answering machine with remote retrieval
- ◆ Built-in microphone for hands free Voice Carry Over (VCO) calls
- ♦ Hearing Carry Over (HCO) calls with optional speakers or headset
- ◆ Audible ringer for HCO calls
- ◆ 24 number memory dialing directory
- Long lasting rechargeable batteries with AC adapter (included)
- ◆ Can be used with Q90® mini-printer and large visual display (LVD)



\$190.00

\$250.00

### Krown Pocket VCO-C for Cell Phones

This battery operated Voice Carry-Over (VCO) instrument attaches to most cell phones as well as ordinary telephones, allowing outgoing voice and incoming text communications.

### Features:

- ♦ Connects to 2.5mm headset jack on cell phones
- Connects acoustically to work on most telephones
- ♦ Connecting cable included
- ◆ 2-line, 40-character backlit display
- User speaks into the mouthpiece of the handset
- Works with most cell phones
- Preset VCO call request for calling ease
- Pouch with belt loop for carrying convenience
- Uses 2 AAA batteries, 4 included
- ♦ Size 4.4" x 2.8" x 1.25"



Cell phone not included

## **DemoStation Contact Information**

As of 11/2006, there are three (3) AT for the Deaf and Hard of Hearing DemoStations in Vermont. They are located in Brattleboro, Waterbury, and Williston. Two reside with the Vermont Center for the Deaf and Hard of Hearing, in Brattleboro and Williston. The third is located at the Vermont Assistive Technology Program's main office and Try-out Center in Waterbury. Contact the nearest location for information about try-outs and presentations.

### **Brattleboro**

Vermont Center for the Deaf and Hard of Hearing Jorika Stockwell 209 Austine Drive, Ste. 310 Brattleboro, VT 05301-2694

Email: <u>istockwell@vcdhh.org</u>

Voice/TTY: 802-258-9549 VT Toll-Free: 888-254-3323

Fax: 802-254-3921

## Waterbury

Vermont Assistive Technology Program 103 So. Main St., Weeks Bldg. Waterbury, VT 05671-2305

Email: ATinfo@ahs.state.vt.us

Voice: 802-241-2620

VT Toll-Free: 800-750-6355

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## Williston

Vermont Center for the Deaf and Hard of Hearing René Pellerin 147 Knight Ln, Ste. 101 Williston, VT 05495

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Voice/TTY: 802-879-4787 Fax: 802-879-4831